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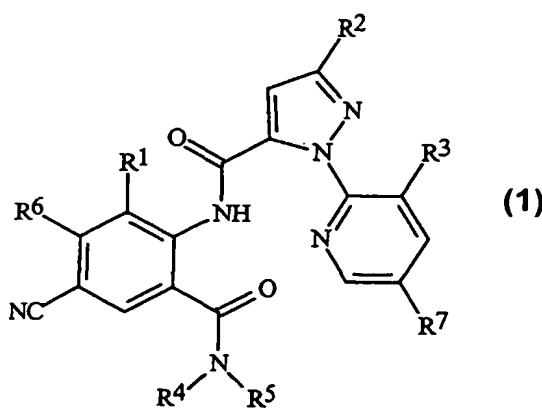
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(54) Title: CYANO ANTHRANILAMIDE INSECTICIDES



(57) Abstract: This invention provides compounds of Formula (I), *N*-oxides and suitable salts thereof INSERT FORMULA I HERE wherein R¹ is Me, Cl, Br or F; R² is F, Cl, Br, C₁-C₄ haloalkyl or C₁-C₄ haloalkoxy; R³ is F, Cl or Br; R⁴ is H or C₁-C₄ alkyl, C₃-C₆ alkenyl, C₃-C₄ alkynyl, C₃-C₅ cycloalkyl, or C₄-C₆ cycloalkylalkyl, each optionally substituted with one substituent selected from the group consisting of halogen, CN, SMe S(O)Me, S(O)₂Me and OMe; R⁵ is H or Me; R⁶ is H, F or Cl; and R⁷ is H, F or Cl. Also disclosed are methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound of Formula (I), an *N*-oxide thereof or a suitable salt of the compound (e.g., as a composition described herein). This invention also pertains to a composition for controlling an invertebrate pest comprising a biologically effective amount of a compound of Formula (I), an *N*-oxide thereof or a suitable salt of the compound and at least one additional component selected from the group con-

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sisting of a surfactant, a solid diluent and a liquid diluent.

AMENDED CLAIMS

[received by the International Bureau on 05 August 2004 (05.08.04);
claims 15, 16 added]

8. A method for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound of Claim 1.

5 9. A method for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a composition of Claim 4.

10. The method of Claim 8 or Claim 9 wherein the invertebrate pest is a cockroach, an ant or a termite which is contacted by the compound by consuming a bait composition comprising the compound.

10 11. The method of Claim 8 or Claim 9 wherein the invertebrate pest is a mosquito, a black fly, a stable, fly, a deer fly, a horse fly, a wasp, a yellow jacket, a hornet, a tick, a spider, an ant, or a gnat which is contacted by a spray composition comprising the compound dispensed from a spray container.

15 12. A spray composition, comprising:

- (a) a compound of Claim 1; and
- (b) a propellant.

13. A bait composition, comprising:

- (a) a compound of Claim 1;
- (b) one or more food materials;
- (c) optionally an attractant; and
- (d) optionally a humectant.

20 14. A device for controlling an invertebrate pest, comprising:

- (a) the bait composition of Claim 13; and
- (b) a housing adapted to receive the bait composition, wherein the housing has at least one opening sized to permit the invertebrate pest to pass through the opening so the invertebrate pest can gain access to the bait composition from a location outside the housing, and wherein the housing is further adapted to be placed in or near a locus of potential or known activity for the invertebrate pest.

25 15. The method of Claim 9 wherein a plant is contacted with the composition applied as a soil drench of a liquid formulation.

30 16. The composition of Claim 4 in the form of a soil drench liquid formulation.